

CEF CONSTRUCTION
EMPLOYERS
FEDERATION

**SAFETY
REBOOT**



What is Safety Reboot?



The CEF's Safety Reboot initiative is running throughout January 2024



The aim is to refocus on key areas of health and safety



Stop what you are doing, gather with colleagues in groups



Take 15 minutes to discuss the chosen topic using the following questions as a guide



Share your pictures on social media #safetyreboot2024

Respirable Crystalline Silica:

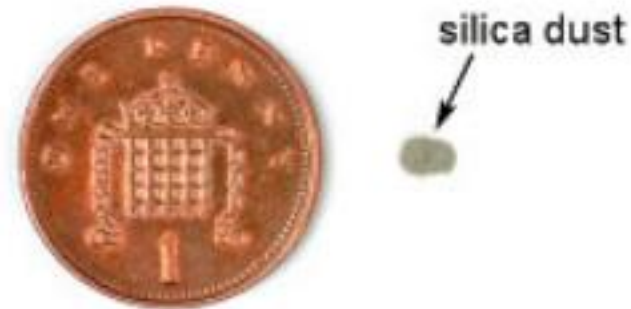
Introduction

- Silica is a natural substance found in varying amounts in most rocks, sand and clay.
- Respirable crystalline silica is produced during the cutting, drilling, grinding and polishing of silica containing materials such as concrete, mortar and sandstone.
- Inhalation of silica dust can result in lung cancer and other serious respiratory diseases including silicosis and chronic obstructive pulmonary disease (COPD)



Respirable Crystalline Silica: Introduction

- The maximum you should be inhaling during a day is shown below next to a penny:



Respirable Crystalline Silica: Intro

- The hierarchy of control must be followed.
- Dust must be controlled.
- This can be done by water suppression e.g. attaching water suppression to a cut off saw, or
- On tool extraction- local exhaust fitting directly on to a tool which removes dust as it is being produced e.g. wall chasing using an on tool extraction:



Is silica dust
produced in this
workplace?



What tasks would produce silica dust?



Who could be affected by the silica dust produced by each of the tasks?



How can you minimize the level of dust being produced?



If you are involved
with operations which
produce silica dust-
have you been face fit
tested?



Have you seen or had a silica dust risk assessment communicated to you?



What health conditions can silica dust cause?



How could a worker's family be affected if they contracted a health condition associated with silica dust?



Thanks for
getting
involved.

Remember to
use what you
have learned
today



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